

Class 11
11-5-2016

First Unit Test in COMPUTER SCIENCE

Time : 1 hr.
M. Marks : 20

1. Write any two differences between the following. [4]
 - a) char and string data type
 - b) Unary and Binary operator
 - c) >> and <<
 - d) endl and \n

2. Evaluate the following [1]
 - a) $z=2*3/4 + 4/4 + 8 - 2 + 5/8.0;$
cout<<z;
 - b) int i=10; [2½]
int j, k, l, m, n;
j = i + j/5;
l = k + 1;
m=l+1-i;
n=k+m*i;
cout<<i<<"\n"<<k<<"\n"<<l<<"\n"<<m<<"\n"<<n;

3. Write the corresponding C++ expressions for the given mathematical expressions. [1]
 - a) $a = (2-4y)^2 + (P+Q^2)^2$ [1]
 - b) $\text{volume} = \frac{3.1459 r^2 h}{3}$ [1]

4. Correct the errors in the given program segments:- [4½]

```
include (iostream.h)
void main( )
{
Const float A =24;
int b; c;z;
cout <<Enter the value of b;
cin>>b<<c;
A=A+20;
cout<<The sum of b and c is <<z=b+c;
}
```

5. Write a program input money. Count & display number of 500, 100, 50, 20, 10, 5, 2 and 1 rupee notes in a given money. [2]

6. Write a program to input basic salary of a person. Calculate HRA(House Rent Allowance), CA(Conveyance Allowance), EA(Entertainment Allowance) and total salary. [4]

HRA = 25% of Basic salary
CA = 15% of Basic Salary
EA = 10% of Basic Salary
Total Salary = Basic salary + HRA + CA + EA

Display the output in the following format

***** SALARY SLIP *****

BASIC SALARY = _____

HRA = _____

CA = _____

EA = _____

TOTAL SALARY = _____

-X-X-X-X-X-